

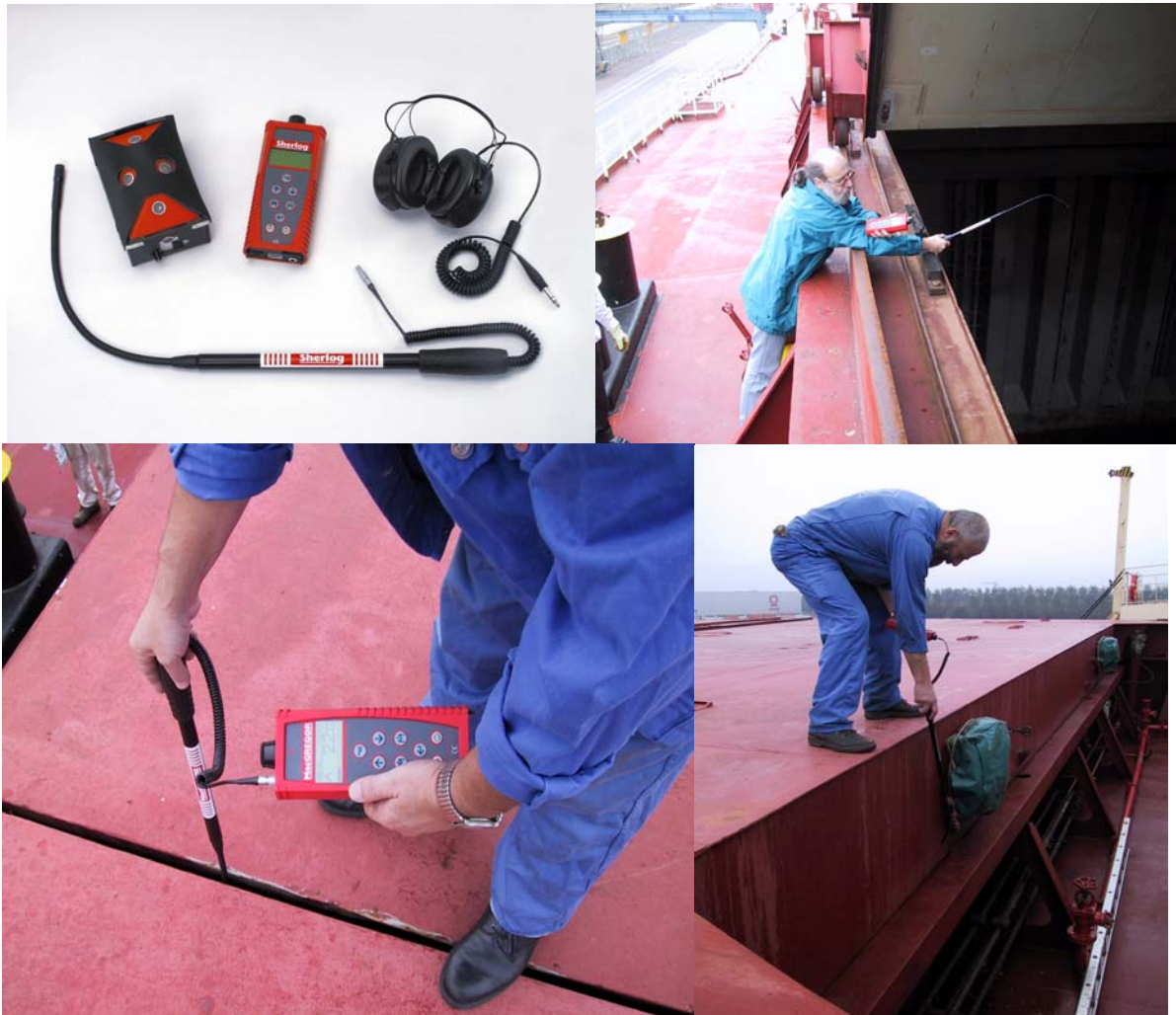


SHERLOG

The marine SDT ultrasonic detector

Product Ref. Code: FSSHTAE8FL, FSSHTAFL, FSSHSE8FL, FSSHSL.

General Description:



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As you will see from the attached Technical Data sheet, the **SHERLOG** ultrasonic detection equipment has been designed to perform non-destructive weather-tightness inspections of hatch covers, doors, ramps, covers, windows, bulkheads or any other on-board or offshore -related tightness control.

The **SHERLOG** encompasses our company's vast experience in the fields of ultrasonic leak detection, tightness testing and predictive maintenance on board. It is robust, lightweight, user friendly and ergonomically designed. It provides a totally efficient, and simple response to proper and effective equipment maintenance and product quality.

The SHERLOG is multifunctional. As user-friendly as a desktop PC. It is a single hardware configuration that transforms to your changing needs. It is capable of measuring several physical parameters (ultrasound, audible noise, temperature, rotation and linear speed, flow, and more). All versions are built around our world famous ultrasonic detection capabilities and feature an internal airborne ultrasonic sensor. SHERLOG TA version can collect, store, and transfer data from and to a PC.

The SHERLOG saves money. Regular use of the SHERLOG enables the efficient planning of machine downtime which leads to better productivity. The ability to pinpoint leaks in systems can also lead to significant savings of up to 30% in energy costs.

The SHERLOG is ergonomically designed and user-friendly. The SHERLOG is a comfortably designed hand-held instrument controlled by an eight key touch pad. A generous Liquid Crystal Display, 3cm x 6cm is protected by a Borosilicate glass screen and displays all parameters needed for its use in 8 or more different languages. An extruded aluminium outer shell is protected by "anti-shock" insulation and the NMHD rechargeable battery block uses latest battery technology allowing more than eight hours of use and unrestricted charging practices.

The SHERLOG is intelligent. The SHERLOG automatically recognises the sensors upon connection and switches to appropriate parameters and measuring mode accordingly. Some versions are equipped to accept user-defined parameters such as the measurement and collection of data at set intervals. The use of flash EEPROM technology allows us to transmit by Internet updates, and improvements to our dealers and users worldwide.

The SHERLOG is digital and versatile. The advanced, state of the art, digital SMT electronics permits the use of other original accessories. The SHERLOG processes data digitally, displays it digitally, and outputs it in standard digital protocol formats. As our customers develop new applications, we meet their requests by developing sensors to suit those needs. Whether the result of a request or as a perceived need for industry, over time the SHERLOG will expand its functionality and versatility indefinitely.



SHERLOG S

Product Ref. Code: FSSHFL, FSSHSE8FL

General Description:

The **SHERLOG S** line also offers a similar equipment also designed for ultrasonic tightness testing. The complete **SHERLOG S** kit contains almost the same components as for the **SHERLOG TA**, only the detector is different for it does not have the memory, the survey data logging and the data transfer to PC options. The **SHERLOG S** is not Type Approved

The **SHERLOG S** is multifunctional, recording data and adapted for mechanical applications) is the multi-functional version without route for survey. It is a robust instrument capable of detecting small or large pressure and vacuum leaks in high noise environments and trending the condition of rotating machinery components such as bearings, gears, couplings, motors, reducers as well as pumps, valves, steam traps, turbines and detecting of corona discharges etc ... It features:

- ✓ Digital measurement and readout capabilities
- ✓ Contact Probe for contact acoustic vibration measurements
- ✓ 1000 memory points storage for recording measured data (up to 4000 measurements can be saved in a rolling FIFO memory)
- ✓ Compatibility with Multi-functional sensor inputs (temperature, speed, mass flow, sound)
- ✓ Ultrasonic sensor inputs (**flexible sensor, magnetic probe, parabolic waveform sensor, threaded sensor, extended distance sensor, lubrication adaptor**).

The **SHERLOG S** displays measured data in a large digital format. All measured data can be stored and recalled on the 1000-point memory.

The unit contains:

- 1 SHERLOG S Ultrasonic Detector with battery and rubber protection
- 1 battery loader for detector's battery; 240V/European plug
- 1 SHERLOG 8 Multi setting ultrasonic transmitter with battery and leather case (option)
- 1 spare battery for the multi-transmitter (option)
- 1 battery loader adapter for SHERLOG-8 (option)
- 1 battery loader for SHERLOG-8; 240V/European plug (option)
- 1 820 mm flexible rod with a 10 mm external sensor for the SHERLOG detector
- 1 headphone 130 dB
- 1 cable RS232 Stewart - Sub D9 female; L 1,5m (for connection to PC)
- 1 3,5" diskette with software for data transfer to PC
- 1 Y plug connector
- 1 shoulder straps for SHERLOG detector and 1 for the multi-transmitter
- 4 precision indicators for SHERLOG detector (threaded tip, rubber tip, tubes)
- 1 screw driver for battery cover of multi-transmitter (option)
- 1 technical and user manual
- 1 Calibration Certificate
- 1 carrying suitcase + foam inlay



SHERLOG TA

Product Ref. Code: FSSHTAE8FL, FSSHTAFL

General Description:

The **SHERLOG TA** is a handheld instrument, as required by the IACS Unified Rule Z.17, has been formally *Type Approved by Lloyd's Register, ABS, DNV and Hellenic Register* and will soon hold similar approval from *GL, Bureau Veritas and Russian Register*. Currently it is the only equipment of its kind to have obtained such approvals. Among its many features the **SHERLOG TA** version offers the same functions that the **SHERLOG S** with added. Moreover, the **SHERLOG TA** offers a unique software routine – dedicated to hatch cover ultrasonic tightness testing- to memorize, log and download to PC all measured survey data and allow detailed and accurate reporting.

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TRAINING:

We are also organizing to take this opportunity to remind you that the operator/surveyor using a Type Approved ultrasonic equipment for hatch cover tightness test/condition survey requested by a Classification Society (Re: IACS Unified Rule Z.17; Revision 2, Nov 1999) as well as by most P&I Clubs is required to hold a valid "Certificate of Qualification". This Certificate is obtained after a theoretical and on-board practical training and after having successfully passed a written examination. SDT is the certificate issuing body and provides the required trainings. Those training sessions currently take a full 2 1/2 day time and are given by two tutors. You can find the "List of Certified Operators" on the SDT website by clicking "What's New?" on the home page.

The unit contains:

- 1 SHERLOG TA Ultrasonic Detector with battery and rubber protection
- 1 battery loader for detector's battery; 240V/European plug
- 1 SHERLOG 8 Multi setting ultrasonic transmitter with battery and leather case (option)
- 1 spare battery for the multi-transmitter (option)
- 1 battery loader adapter for Sherlog-8 (option)
- 1 battery loader for SHERLOG 8; 240V/European plug (option)
- 1 820 mm flexible rod with a 10 mm external sensor for the SHERLOG detector
- 1 headphone 130 dB
- 1 cable RS232 Stewart - Sub D9 female; L 1,5m (for connection to PC)
- 1 3,5" diskette with software for data transfer to PC
- 1 Y plug connector
- 1 shoulder straps for SHERLOG detector and 1 for the multi-transmitter
- 4 precision indicators for SHERLOG detector (threaded tip, rubber tip, tubes)
- 1 screw driver for battery cover of multi-transmitter (option)
- 1 technical and user manual
- 1 Calibration Certificate
- 1 copy of the different Class Type Approvals
- 1 carrying suitcase + foam inlay

Warranty:

2 years limited warranty on material and labour for the receiver SHERLOG, with exception of the battery and accessories (6 months).

Warranty voids if items have been wrongly used, opened or disassembled.

Revision History:

DATE	Version	Revision
22 March 2000	1.0	English draft

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The information herein is believed to be accurate to the best of our knowledge.

Due to continued research and development specifications of this product can change without prior notice.

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